



Association of American  
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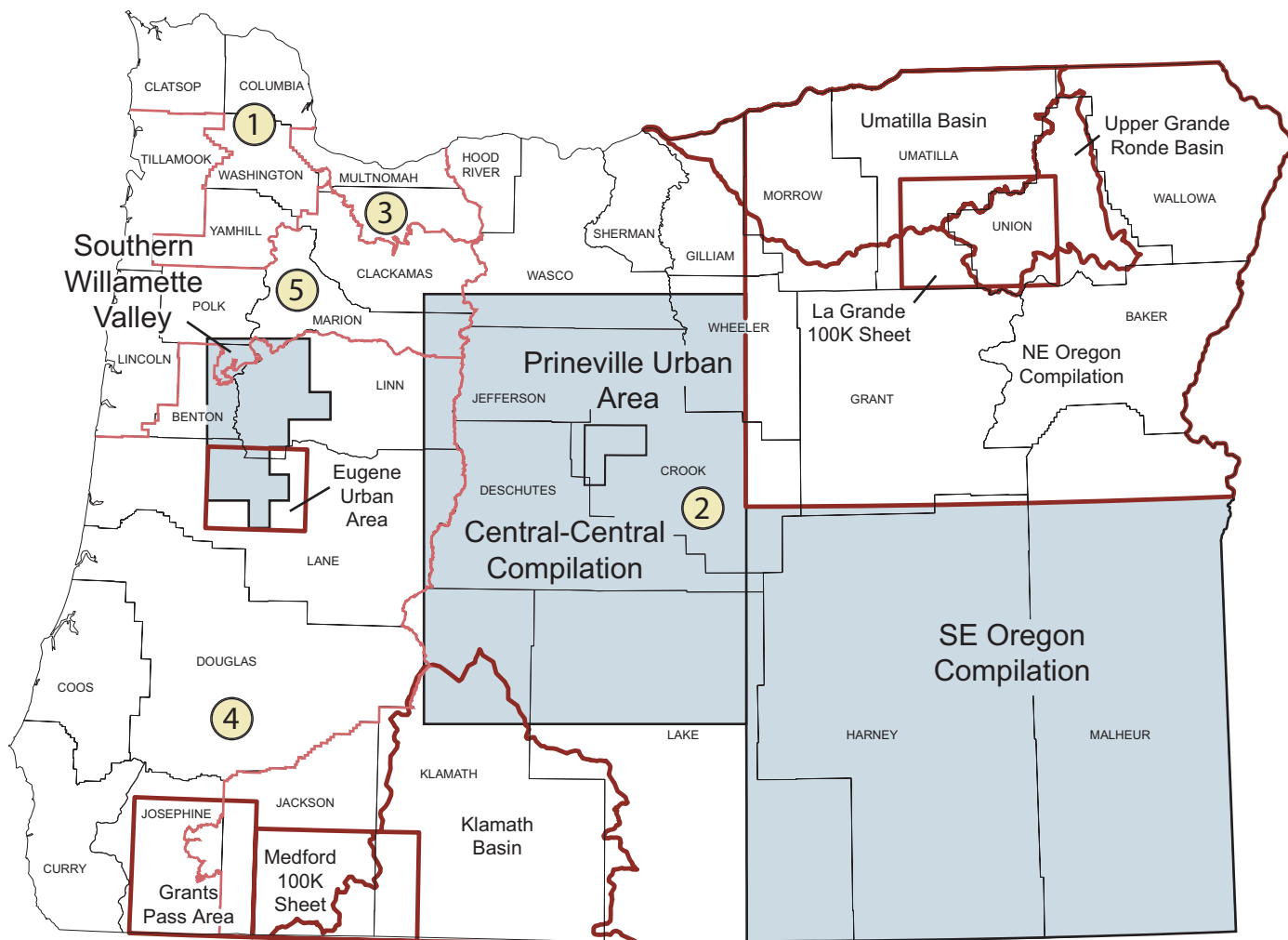
United States  
Geological Survey



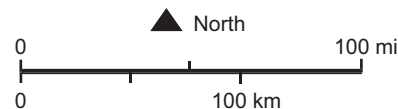
# National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

## OREGON



- 1 Congressional Districts
- STATEMAP project areas in progress
- STATEMAP project areas completed



### Contact information

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# SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN OREGON

<b>Federal Fiscal Year</b>	<b>Project Title</b>	<b>State Dollars</b>	<b>Federal Dollars</b>	<b>Total Project Dollars</b>
2005	Central-Central Oregon Compilation	\$113,000	\$111,000	\$224,000
2005	Prineville Urban Area	79,000	76,000	155,000
2005	Southern Willamette Valley	22,000	20,000	42,000
2004	Grants Pass Area	37,000	36,000	73,000
2004	Umatilla Basin	58,000	58,000	116,000
2004	SE Oregon Compilation	158,000	94,000	252,000
2004	Eugene Urban Area	40,000	40,000	80,000
2003	Grants Pass Area	34,000	34,000	68,000
2003	Umatilla Basin	50,000	50,000	100,000
2003	NE Oregon Compilation	149,000	108,000	257,000
2003	Eugene Urban Area	41,000	41,000	82,000
2002	Upper Grande Ronde Basin	33,000	33,000	66,000
2002	Umatilla Basin	74,000	74,000	148,000
2002	Grants Pass Area	38,000	38,000	76,000
2002	Eugene Urban Area	42,000	42,000	84,000
2001	Upper Grande Ronde Basin	76,000	76,000	152,000
2001	Grants Pass Urban Area	20,000	20,000	40,000
2001	Umatilla Basin	91,000	90,000	181,000
2000	Upper Grande Ronde Basin	82,000	62,000	144,000
2000	Klamath Basin	101,000	65,000	166,000
2000	Grants Pass Urban Area	32,000	15,000	47,000
<b>TOTAL FUNDING</b>		<b>\$1,370,000</b>	<b>\$1,183,000</b>	<b>\$2,132,000</b>

Funding from the STATEMAP portion of the National Cooperative Geologic Mapping Program (NCGMP) has been at the core of the Oregon Department of Geology and Mineral Industries' (DOGAMI) geologic-mapping program for many years. The program has allowed DOGAMI to significantly increase the production of new maps and has, through the State Geologic Mapping Advisory Committee, helped focus mapping on areas where resource- and hazard-management issues require good geologic data. Because so much of Oregon is a frontier state in terms of geologic mapping, DOGAMI's STATEMAP projects typically begin with a year or two of detailed mapping to understand the area's geology, followed by more regional mapping and compilation to provide the kind of coverage that users need. In FY 2003, we began a program to compile the entire state at 1:100,000 using STATEMAP funds and funding from the Oregon Geographic Information Council.

Our current projects focus on the geology of rapidly developing urban areas (Southern Willamette Valley, Prineville Urban Area) where detailed mapping is needed to manage growth, mitigate geologic hazards and understand critical ground-water problem. The digital compilation mapping fills the same needs at lower resolution over larger regions.

DOGAMI's recently released compilation map of the upper Grande Ronde Basin in NE Oregon has been used by the Grande Ronde Model Watershed in assessing the impact of geology on stream flow and water quality in their efforts to design projects to improve fish habitat in area streams. The digital geologic maps were used to look at geologic factors affecting stream flow, sediment load and stream temperature. The Model Watershed also benefited from the workshop that DOGAMI convened to introduce the new map and explain the geology of the basin. In the Grants Pass area, the Oregon Water Resources Department (OWRD) has used recently released DOGAMI mapping to better understand the nature of heavily used aquifers. OWRD uses the maps directly to help landowners developers and cities develop suitable water supplies. Of particular use is the delineation of geologic units with saline ground water.